



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
22 S. Front Street
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

October 7, 2002

Re: OEPA PTI No. 06-6778
Facility Name: American Energy Corp - Century Mine

American Energy Corporation
43521 Mayhugh Hill Rd
Beallsville, OH 43716

Ladies and Gentlemen:

Transmitted herewith is one copy of the Public Notice and Draft Permit to Install in the above-referenced matter.

The public has been invited to review the support documentation and submit comments regarding this draft Permit to Install. Comments on the draft action shall be responded to in writing by the Ohio Environmental Protection Agency.

The Permit to Install as drafted will be issued as a final action unless the director revises the permit after consideration of all written comments received during the 30-day period following Public Notice and Consideration of the record of a public meeting, if one is held, or unless the draft is disapproved by the Regional Administrator, U.S. Environmental Protection Agency.

You should note that a general condition of your permit states that issuance of a Permit to Install does not relieve you of the duty of complying with all applicable Federal, State, and local laws, ordinances, and regulations.

Sincerely,

Patti L. Smith, Supervisor
Permit Processing Unit
Division of Surface Water

PLS/dks

Enclosure

CERTIFIED MAIL

Bob Taft, Governor
Maureen O'Connor, Lieutenant Governor
Christopher Jones, Director



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AEC 01804

Belmont County

Ohio EPA PTI No. 06-6778

Ohio Environmental Protection Agency Draft Permit to Install

PUBLIC NOTICE

Draft Permit to Install for wastewater treatment and/or disposal facilities

Ohio Environmental Protection Agency
Permits Section
122 South Front Street
P.O. Box 1049
Columbus, Ohio 43216-1049
(614) 644-2001

Public Notice No. 02-10-039

Date of Issue of Public Notice: October 14, 2002

Name and Address of Applicant: American Energy Corporation, 43521 Mayhugh Hill Rd, Beallsville, OH, 43716

Name and Address of Facility Where Discharge Occurs: American Energy Corp - Century Mine, Section 3, Twp Rd 88, Wayne Twp, Belmont County, OH

Receiving Water: Piney Creek

Public notice is hereby given that Ohio Environmental Protection Agency (Ohio EPA)- Division of Surface Water (DSW) has issued a draft permit-to-install (PTI) for the construction of the wastewater treatment works/disposal system for the above referenced project. Ohio EPA has made a determination that the wastewater discharge from this proposed facility would result in degradation to or lowering of the water quality of Piney Creek and subsequently Captina Creek. After considering the technical, economic, and social aspects of this project, the Director of the Ohio EPA has decided to make the preliminary determination to allow this degradation. However, the chemical-specific water quality standards developed to protect aquatic life and human health, set forth in Ohio Administrative Code (OAC) 3745-1, will not be exceeded.

In accordance with OAC 3745-1-05, Ohio EPA will provide an opportunity for public comment concerning this project. Comments received shall be considered by the Director before the permit is issued as final. Any person may submit written comments on the draft permit and administrative record and may request a public hearing. A request for public hearing shall be in writing and shall state the nature of the issues to be raised. In appropriate cases, including cases where there is significant public interest, the director may hold a public hearing on a draft permit or permits prior to final issuance of the permit or permits. Written comments and/or public hearing requests must be received by the Ohio EPA, Division of Surface Water no later than 30 days from the date of this public notice. Comments and/or public hearing requests should be delivered or mailed to both of the following locations: 1) Ohio Environmental Protection Agency, Division of Surface Water, Permits Processing Unit, 122 South Front Street, P.O. Box 1049, Columbus, Ohio 43216 and 2) Ohio Environmental Protection Agency, Southeast District Office, 2195 Front Street, Logan, Ohio 43138. Comments received after this date may not be considered by the Director before issuing the final permit.

Copies of the draft Permit to Install and technical support information may be reviewed and/or copies made at the Ohio EPA Southeast District Office, 2195 Front Street, Logan, OH, 43138, by first calling, 740-385-8501 to make an appointment.

Ohio Environmental Protection Agency

Permit to Install

Application No: 06-6778

DRAFT COPY
SUBJECT TO REVISION
OHIO EPA

Applicant Name: American Energy Corporation
Address: 43521 Mayhugh Hill Rd
City: Beallsville
State: OH, 43716

Person to Contact: Ryan Desco
Telephone: 740-926-9152

Description of Proposed Source: Treatment Pond 002, Non-Discharging Pond 1-5 and 019, and a discharge outfall 017 for the bath house, Wayne Twp., Belmont County

Issuance Date:
Effective Date:

The above named entity is hereby granted a permit to install for the above described source pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source of environmental pollutants will operate in compliance with applicable state and federal laws and regulations. Issuance of this permit does not constitute expressed or implied assurance that, if constructed or modified in accordance with those plans and specifications, the above described source of pollutants will be granted the necessary operating permits. This permit is granted subject to the following conditions attached hereto.

I have determined that a lowering of water quality in Piney Creek subsequently Captina Creek is necessary. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and appropriate intergovernmental comments. The lowering of water quality is necessary to accommodate important social or economic development in the area in which the water body is located.

Ohio Environmental Protection Agency

Christopher Jones
Director
P. O. Box 1049,
122 South Front Street
Columbus, OH 43216-1049

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SUBJECT TO REVISION
OHIO EPA

This permit shall expire if construction has not been initiated by the applicant within eighteen months of the effective date of this permit. By accepting this permit, the applicant acknowledges that this eighteen month period shall not be considered or construed as extending or having any effect whatsoever on any compliance schedule or deadline set forth in any administrative or court order issued to or binding upon the permit applicant, and the applicant shall abide by such compliance schedules or deadlines to avoid the initiation of additional legal action by the Ohio EPA.

The director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records, or reports pertaining to the construction, modification, or installation of the above described source of environmental pollutants.

Issuance of this permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, ordinances, and regulations.

Any well, well point, pit, or other device installed for the purpose of lowering the ground water level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of this plan or as directed by the director or his representative.

Any person installing any well, well point, pit or other device used for the purpose of removing ground water from an aquifer shall complete and file a Well Log and Drilling Report form with the Ohio Department of Natural Resources, Division of Water, within 30 days of the well completion in accordance with the Ohio Revised code Section 1521.01 and 1521.05. In addition, any such facility that has a capacity to withdraw waters of the state in an amount greater than 100,000 gallons per day from all sources shall be registered by the owner with the chief of the Division of Water, Ohio Department of Natural Resources, within three months after the facility is completed in accordance with Section 1521.16 of the Ohio Revised Code. For copies of the necessary well log, drilling report, or registration forms, please contact:

Ohio Department of Natural Resources
Fountain Square
Columbus, OH 43224-1387
(614) 265-6717

The proposed wastewater treatment system shall be constructed in strict accordance with the plans and application approved by the director of the Ohio Environmental Protection Agency. There shall be no deviation from these plans without the prior express, written approval of the agency. Any deviations from these plans or the above conditions may lead to such sanctions and penalties as provided for under Ohio law. Approval of this plan and issuance of this permit does not constitute an assurance by the Ohio Environmental Protection Agency that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

This permit to install applies only to the wastewater treatment works listed above. The installation of drinking water supplies, air contaminant sources, or solid waste disposal facilities will require the submittal of a separate application to the director.

No liquids, sludges, or toxic or hazardous substances other than those set forth in the approved permit shall be accepted for disposal without the prior written approval of the Ohio Environmental Protection Agency.

The Southeast District Office of the Ohio Environmental Protection Agency shall be notified in writing as to (a) the construction starting date; (b) the construction completion date; and (c) the date the wastewater disposal system was placed into operation.

DRAFT COPY
SUBJECT TO REVISION
OHS EPA

The American Energy Corporation shall be responsible for proper operation and maintenance of the wastewater treatment system.

Provisions shall be made for proper operation of the wastewater pumping facilities.

SPECIAL TERMS AND CONDITIONS FOR SOIL LINERS AND COVER MATERIAL

- 1) No soil material shall be placed or compacted during weather conditions which would interfere with adequate compaction or moisture content control, such as freezing temperatures or rainy conditions.
- 2) Soil material shall be compacted using standard engineering compaction methods unless otherwise specified in the plans.
- 3) Only soil materials specifically approved for use, in the detailed plans, may be used.

SPECIAL CONDITION:

The use of ammonia for treatment is prohibited unless a modification to the NPDES permit is approved.

Application No. OH0059552

Modification Issue Date: October 7, 2002

Modification Effective Date: December 1, 2002

Expiration Date: July 31, 2007

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

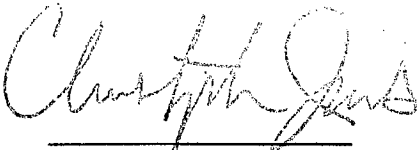
AMERICAN ENERGY CORPORATION - CENTURY MINE
(formerly Bennoc, Inc. - Allison Mine)

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the mine complex located at Wayne Township Road 88, in Section 3 of Wayne Township, near Armstrongs Mills, Ohio, Belmont County and discharging to Piney and Captina Creeks in accordance with the conditions specified in Parts I, II, and III of this permit modification.

I have determined that a lowering of water quality in Piney Creek and Captina Creek is necessary as result of a modification of this permit to add outfalls 002, 012 through 017 and internal outfall 601. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and appropriate intergovernmental comments. The lowering of water quality is necessary to accommodate important social or economic development in the area in which the water body is located.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.



Christopher Jones
Director

Total Pages:

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091013. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 013 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Specified Units		Loading* kg/day		Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Daily			
00045 - Total Precipitation - Inches	-	-	-	-	1/Day	Total	All
00094 - Conductivity - Umho/Cm	-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00515 - Residue, Total Dissolved - mg/l	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number OIL00091013:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. IF NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091015. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 015 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements				
	Concentration Specified Units		Loading* kg/day		Measuring Frequency	Sampling Type	Monitoring Months		
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly		
00045 - Total Precipitation - Inches	-	-	-	-	-	-	1/Day	Total	All
00094 - Conductivity - Umho/Cm	-	-	-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	1 / 2 Weeks	Grab	All
00515 - Residue, Total Dissolved - mg/l	-	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	4000	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number OIL00091015:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. IF NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091012. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 012 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Maximum	Minimum	Specified Units	Loading* kg/day Daily	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	1/Day	Total	All
00094 - Conductivity - Umho/Cm	-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00515 - Residue, Total Dissolved - mg/l	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	35	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	3000	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	2000	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number OIL00091012:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. IF NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091016. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 016 - Final

Effluent Characteristic	Discharge Limitations					Monitoring Requirements		
	Parameter	Concentration Maximum	Minimum	Specified Units	Loading* kg/day	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches		-	-	-	-	1/Day	Total	All
00094 - Conductivity - Umho/Cm		-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.		9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00515 - Residue, Total Dissolved - mg/l		-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l		70	-	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l		6000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l		4000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD		-	-	-	-	1/Day	Total Estimate	All
Notes for Station Number								

Notes for Station Number

OIL00091016:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

5. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	4000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number 0IL00091002:

1. NO ALTERNATIVE LIMITS - there are no alternate limits based on rainfall events for this outfall per 40 CFR 434 for discharges from underground mine workings (not commingled).
2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

6. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 01L00091017. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 017 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Maximum	Minimum	Specified Units	Loading* kg/day	Measuring Frequency	Sampling Type	Monitoring Months
00010 - Water Temperature - C	-	-	-	-	1/Week	Grab	All
00056 - Flow Rate - GPD	-	-	-	-	1/Day	Total Estimate	All
00083 - Color, Severity - Units	-	-	-	-	1/Day	Estimate	All
00300 - Dissolved Oxygen - mg/l	-	6	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	12	0.68	1 / 2 Weeks	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.0	-	3.0	0.15	1 / 2 Weeks	Grab	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	1.0	0.06	1 / 2 Weeks	Grab	Summer
01330 - Odor, Severity - Units	-	-	-	-	1/Day	Estimate	All
01350 - Turbidity, Severity - Units	-	-	-	-	1/Day	Estimate	All
31616 - Fecal Coliform - #/100 ml	2000	-	1000	-	1/Month	Grab	Summer
50060 - Chlorine, Total Residual - mg/l	0.019	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	10	0.56	1 / 2 Weeks	Grab	All

Notes for Station Number 0IL00091017:

1. * EFFLUENT LOADINGS - Effluent loadings based on average design flow of 0.010 MGD.
2. CHLORINE - See Part II, Items G and H.
3. COLOR, ODOR, TURBIDITY - See Part II, Item E.
4. OUTFALLS 601 and 017 - These outfalls are for the same bath house sanitary wastewater treatment plant. Currently this discharges through 601 into the pond at outfall 011. This facility is authorized to also discharge from the treatment plant through outfall 017 directly to Piney Creek when they modify the discharge pipe to do so. At that time outfall 601 will no longer be needed. When outfall 601 is no longer in use, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required. A modification may be submitted to remove outfall 601 from the permit when it is no longer needed.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

7. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091014. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 014 - Final

Effluent Characteristic	Discharge Limitations				Monitoring Requirements		
	Parameter	Concentration Maximum Minimum	Specified Units	Loading* kg/day Daily Weekly Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches		-	-	-	1/Day	Total	All
00094 - Conductivity - Umho/Cm		-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.		9.0	6.5	-	1/Week	Grab	All
00515 - Residue, Total Dissolved - mg/l		-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l		70	-	35	1/Week	Grab	All
01045 - Iron, Total (Fe) - ug/l		6000	-	4000	1/Week	Grab	All
01055 - Manganese, Total (Mn) - ug/l		4000	-	2000	1/Week	Grab	All
50050 - Flow Rate - MGD		-	-	-	1/Day	Total Estimate	All

Notes for Station Number OIL00091014:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(b) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

8. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 01L00091008. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 008 - Final

Effluent Characteristic	Discharge Limitations				Monitoring Requirements		
	Parameter	Maximum	Concentration Minimum	Specified Units	Loading* kg/day	Measuring Frequency	Sampling Type
				Monthly	Daily	Weekly	Monthly
00045 - Total Precipitation - Inches		-	-	-	-	1/Day	Total
00094 - Conductivity - Umho/Cm		-	-	-	-	1 / 2 Weeks	Grab
00400 - pH - S.U.		9.0	6.5	-	-	1 / 2 Weeks	Grab
00515 - Residue, Total Dissolved - mg/l		-	-	-	-	1 / 2 Weeks	Grab
00530 - Total Suspended Solids - mg/l		70	-	35	-	1 / 2 Weeks	Grab
01045 - Iron, Total (Fe) - ug/l		6000	-	3000	-	1 / 2 Weeks	Grab
01055 - Manganese, Total (Mn) - ug/l		4000	-	2000	-	1 / 2 Weeks	Grab
50050 - Flow Rate - MGD		-	-	-	-	1/Day	Total Estimate
							Notes for Station Number

01L00091008:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Items (K)(1)(a) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. IF NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

9. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 01L00091601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

Effluent Characteristic	Discharge Limitations				Monitoring Requirements		
	Parameter	Concentration Specified Units		Loading* kg/day	Measuring Frequency	Sampling Type	Monitoring Months
		Maximum	Minimum				
00083 - Color, Severity - Units	-	-	-	-	1/Day	Estimate	All
00300 - Dissolved Oxygen - mg/l	-	-	-	-	1 / 2 Weeks	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	12	0.68	1 / 2 Weeks	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	1.0	0.06	1 / 2 Weeks	Grab	Summer
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.0	-	3.0	0.15	1 / 2 Weeks	Grab	Winter
01330 - Odor, Severity - Units	-	-	-	-	1/Day	Estimate	All
01350 - Turbidity, Severity - Units	-	-	-	-	1/Day	Estimate	All
31616 - Fecal Coliform - #/100 ml	-	-	-	-	1/Month	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	1/Day	Estimate	All
50060 - Chlorine, Total Residual - mg/l	-	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	10	0.56	1 / 2 Weeks	Grab	All

Notes for Station Number

0IL00091601:

1. *EFFLUENT LOADINGS - Effluent loadings based on average design flow of 0.010 MGD.

2. CHLORINE - See Part II, Items G and H.

3. COLOR, ODOR, TURBIDITY - See Part II, Item E.

4. OUTFALLS 601 and 017 - These outfalls are for the same bath house sanitary wastewater treatment plant. Currently this discharges through 601 into the pond at outfall 011. This facility is authorized to also discharge from the treatment plant through outfall 017 directly to Piney Creek when they modify the discharge pipe to do so. At that time outfall 601 will no longer be needed. When outfall 601 is no longer in use, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required. A modification may be submitted to remove outfall 601 from the permit when it is no longer needed.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

10. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall OIL00091011. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 011 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Specified Units		Loading* kg/day		Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly			
00045 - Total Precipitation - Inches	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	1/Year	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	1/Day	Total Estimate	All

Notes for Station Number OIL00091011:

1. ALTERNATIVE LIMITS - Discharge from the outfall designated above may, as an option, conform with effluent limitations and monitoring requirements listed in Part II, Item (K)(1)(a) and (c) instead of those listed above provided that all conditions in Part II, Item (K)(2) are met.
2. SAMPLE TYPE - Sampling shall be performed when discharging. IF NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
3. SAMPLING FREQUENCY - "1/2 weeks" sampling frequency means that one sample shall be collected during the first fourteen days of the month and another sample shall be collected during the remainder of the month.
4. LIMITED DISCHARGE - The discharge from this outfall is NO LONGER limited to mine related pollutants. Sanitary wastewater pollutants MAY be discharged from this outfall in compliance with this permit modification.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit modification and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number OIL00091588, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 588 - Final

Effluent Characteristic Parameter	Discharge Limitations				Monitoring Requirements		
	Concentration Specified Units		Loading* kg/day		Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly			
70318 - Sludge Solids, Percent Total - %	-	-	-	-	1/Month	Grab	All
80991 - Sludge Volume, Gallons - Gals	-	-	-	-	1/Month	Total	All

NOTES for Station Number OIL00091588:

1. MONITORING - Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of at a publically owned wastewater treatment plant. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
2. SLUDGE WEIGHT - Sludge weight is a calculated total for the sampling period.
3. ANNUAL REPORT - See Part II, Item J.

Part II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

Sampling Station	Description of Location
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OIL00091002	Final effluent from treatment pond receiving pumped water from the underground mine works ; sample to be taken from discharge spillway prior to entering Piney Creek. (Lat: N 39 degrees 53' 35"; Long: W 81 degrees 01' 40")
OIL00091008	Raw and clean coal storage pile and prep plant area treatment pond final effluent; sample to be taken from discharge spillway prior to entering Piney Creek. (Lat: N 39 degrees 53' 51"; Long: W 81 degrees 01' 13")
OIL00091011	Office/bath house, parking lots, supply yard, portal, and conveyor area treatment pond final effluent. Also receives discharge from outfall 601 and water pumped from the mine works. Sample to be taken from the discharge structure prior to Piney Creek. (Lat: N 39 degrees 53' 47"; Long: W 81 degrees 01' 19")
OIL00091012	Coal refuse disposal site treatment pond final effluent; sample to be taken from discharge spillway prior to entering Piney Creek. (Lat: N 39 degrees 53' 42"; Long: W 81 degrees 01' 29")
OIL00091013	Coal refuse disposal site treatment pond final effluent; sample to be taken from discharge spillway prior to entering Piney Creek. (Lat: N 39 degrees 53' 46"; Long: W 81 degrees 01' 40")

- OIL00091014 Coal refuse disposal site treatment pond final effluent; sample to be taken from discharge spillway prior to entering an unnamed tributary of Piney Creek.
(Lat: N 39 degrees 53' 59"; Long: W 81 degrees 01' 55")
- OIL00091015 Coal refuse disposal site treatment pond final effluent; sample to be taken from discharge spillway prior to entering an unnamed tributary of Captina Creek.
(Lat: N 39 degrees 54' 14"; Long: W 81 degrees 01' 55")
- OIL00091016 Coal refuse disposal site treatment pond final effluent; sample to be taken from discharge spillway prior to entering an unnamed tributary of Piney Creek.
(Lat: N 39 degrees 53' 59"; Long: W 81 degrees 01' 32")
- OIL00091017 Main office/bath house and prep plant bath house sanitary wastewater treatment plant (WWTP) discharge; sample to be taken from discharge pipe prior to entering Piney Creek.
(Lat: N 39 degrees 53' 47"; Long: W 81 degrees 01' 24")
- OIL00091601 Main office/bath house and prep plant bath house sanitary wastewater treatment plant (WWTP) discharge; sample to be taken from effluent pump station after treatment prior to being pumped into the pond at outfall 001.
- OIL00091588 Sludge removed from the sanitary wastewater treatment plant and disposed of at a sanitary wastewater treatment facility.

B. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

C. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

D. Permit limitations may be revised in order to meet water quality standards after a stream use determination and waste load allocation are completed and approved. This permit may be modified, or alternatively, revoked and reissued, to comply with any applicable water quality effluent limitations.

E. If Severity Units are required for Turbidity, Odor, or Color, use the following table to determine the value between 0 and 4 that is reported.

REPORTED VALUE*	SEVERITY DESCRIPTION	TURBIDITY	ODOR	COLOR
0	None	Clear	None	Colorless
1	Mild			
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

* Interpolate between the descriptive phrases.

F. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

G. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

H. The parameters below have had effluent limitations established that are below the OEPA Quantification Level (OEPA QL) for the 40 CFR 136 promulgated analytical procedure for those parameters. In accordance with the ORC Section 6111.13 and OAC Rule 3745-33-07(C), if a discharge limit is set below the OEPA QL, any analytical result reported less than the OEPA QL shall be considered to be in compliance with that limit.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported. Analytical results are to be reported as follows:

1. Results above the QL: Report the analytical result for the parameter of concern.
2. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.
3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

Parameter	QL	ML
Chlorine, Total Residual	0.050 mg/l	--

This permit may be modified, or alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the presence of these pollutants in the discharge at levels above the WQBEL.

- I. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

J. Not later than January 31 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the appropriate Ohio EPA District Office. This report shall address:

- 1) Amount of sludge disposed of/reused in dry tons.
- 2) Method(s) of disposal/reuse.
- 3) Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)
- 4) Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.

K. Coal Preparation Plants and Associated Facilities Only

Coal facilities are eligible for the alternative effluent limits listed in section (1) below provided that the applicability and submission requirements listed in section (2) below are met.

1. Alternative Effluent Limits

a. Discharges from Preparation Plants and Preparation Plant Associated Areas (outfalls 0IL00091 008 and 0IL00091 011) - if the discharge or increase in the volume of the discharge from a preparation plant and preparation plant associated areas is caused by precipitation less than and including the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume), the alternative limits are as follows:

EFFLUENT CHARACTERISTIC		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
Reporting Code/Units	Parameter	Concentration 30 Day	Daily	Measurement Frequency	Sample Type
00045 IN	Total Precipitation	-	-	Daily	24 Hr. Total
00400 S.U.	pH	6.5 to 9.0 at all times		1/2 Weeks	Grab
00530 mg/l	Total Suspended Solids	-	-	1/2 Weeks	Grab
00545 ml/l	Residue, Settleable	-	0.5	1/2 Weeks	Grab
01045 ug/l	Iron, Total (Fe)	-	-	1/2 Weeks	Grab
01055 ug/l	Manganese, Total (Mn)	-	-	1/2 Weeks	Grab
50050 MGD	Flow Rate	-	-	Daily	24 Hr. Total

b. Discharges from Coal Refuse Disposal Areas (outfalls 0IL00091 012, 0IL00091 013, 0IL00091 014, 0IL00091 015 and 0IL00091 016) - if the discharge or increase in the volume of the discharge from the refuse disposal area is caused by precipitation greater than the 1-year, 24-hour precipitation event but less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume), the alternative limits are as follows:

EFFLUENT CHARACTERISTIC		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
Reporting Code/Units	Parameter	Concentration 30 Day	Daily	Measurement Frequency	Sample Type
00045 IN	Total Precipitation	-	-	Daily	24 Hr. Total
00400 S.U.	pH	6.5 to 9.0 at all times		1/2 Weeks	Grab
00530 mg/l	Total Suspended Solids	-	-	1/2 Weeks	Grab
00545 ml/l	Residue, Settleable	-	0.5	1/2 Weeks	Grab
01045 ug/l	Iron, Total (Fe)	-	-	1/2 Weeks	Grab
01055 ug/l	Manganese, Total (Mn)	-	-	1/2 Weeks	Grab
50050 MGD	Flow Rate	-	-	Daily	24 Hr. Total

c. Discharges from all Mining Areas During Precipitation Events Greater than the 10-Year, 24-Hour Event - if the discharge or increase in the volume of the discharge from any area affected by coal mining is caused by precipitation greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume), the alternative limits are as follows:

EFFLUENT CHARACTERISTIC		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
Reporting Code/Units	Parameter	Concentration 30 Day	Daily	Measurement Frequency	Sample Type
00045 IN	Total Precipitation	-	-	Daily	24 Hr. Total
00400 S.U.	pH	6.5 to 9.0 at all times		1/2 Weeks	Grab
00530 mg/l	Total Suspended Solids	-	-	1/2 Weeks	Grab
00545 ml/l	Residue, Settleable	-	-	1/2 Weeks	Grab
01045 ug/l	Iron, Total (Fe)	-	-	1/2 Weeks	Grab
01055 ug/l	Manganese, Total (Mn)	-	-	1/2 Weeks	Grab
50050 MGD	Flow Rate	-	-	Daily	24 Hr. Total

2. Applicability and Submission Requirements

- a. The samples of the discharge for all parameters listed are collected during, or within 24 hours after the applicable precipitation event.
 - b. The operator proves that the discharge or the increase in the discharge was caused by the applicable precipitation event. The following information must be submitted by the permittee as proof of qualification for the alternative effluent limitations:
 - i. A statement of the precipitation event for which the alternative limits are being sought and the amount of rainfall specified for that precipitation event as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Atlas of the United States", May 1961, or equivalent regional rainfall probability information developed therefrom;
 - ii. The date, duration (time begin/time end), and total 24-hour accumulation (inches), of the precipitation which caused the discharge or increase in volume of the discharge; and
 - iii. The date and time grab samples were collected.
 - c. The permittee should report "AH" in the appropriate location on the Monthly Operating Report (MOR) Form 4500 where the data would have gone if alternative limits were not applicable. The information required above in Part II, Item (L)(2)(b) should be included in the "Additional Remarks" section of the MOR form.
- L. Ammonia shall not be used at any outfall for treatment without approval of the Ohio EPA.

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily load" is the total discharge by weight during any calendar day. If only one sample is taken during a day, the weight of pollutant discharge calculated from it is the daily load.

"Daily concentration" means the arithmetic average of all the determinations of concentration made during the day. If only one sample is taken during the day, its concentration is the daily concentration. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Weekly load" is the total discharge by weight during any 7-day period divided by the number of days in that 7-day period that the facility was in operation. If only one sample is taken in a 7-day period, the weight of pollutant discharge calculated from it is the 7-day load. If more than one sample is taken during the 7-day period, the 7-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 7-day period, and dividing by the number of days sampled.

"Weekly concentration" means the arithmetic average of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Monthly load" is the total discharge by weight during all days in a calendar month divided by the number of days that the facility was in operation during that month. If only one sample is taken during the month the weight of pollutant discharge calculated from it is the monthly load. If more than one sample is taken during the month, the monthly load is calculated by determining the daily load for each day sampled, totaling the daily loads for the month and dividing by the number of days sampled.

"Monthly concentration" means the arithmetic average of all the determinations of daily concentration made during any calendar month. If only one sample is taken during the month, its concentration is the monthly concentration for that period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net Loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specifically identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specifically identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specifically identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

- A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;
- B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;
- C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;
- D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;
- E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;
- F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

- A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.
- B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.
- C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

- A. Monitoring data required by this permit may be submitted in hardcopy format on the Ohio EPA 4500 report form pre-printed by Ohio EPA or an approved facsimile. Ohio EPA 4500 report forms for each individual sampling station are to be received no later than the 15th day of the month following the month-of-interest. The original report form must be signed and mailed to:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water
Enforcement Section ES/MOR
P.O. Box 1049
Columbus, Ohio 43216-0149

Monitoring data may also be submitted electronically using Ohio EPA developed SWIMware software. Data must be transmitted to Ohio EPA via electronic mail or the bulletin board system by the 20th day of the month following the month-of-interest. A Surface Water Information Management System (SWIMS) Memorandum of Agreement (MOA) must be signed by the responsible official and submitted to Ohio EPA to receive an authorized Personal Identification Number (PIN) prior to sending data electronically. A hardcopy of the Ohio EPA 4500 form must be generated via SWIMware, signed and maintained onsite for records retention purposes.

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and instrumentation at intervals to insure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- A. The exact place and date of sampling; (time of sampling not required on EPA 4500)
- B. The person(s) who performed the sampling or measurements;
- C. The date the analyses were performed on those samples;
- D. The person(s) who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

- A. All sampling and analytical records (including internal sampling data not reported);
- B. All original recordings for any continuous monitoring instrumentation;
- C. All instrumentation, calibration and maintenance records;
- D. All plant operation and maintenance records;
- E. All reports required by this permit; and
- F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

- A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
- D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The permittee submitted notices as required under paragraph D. of this section,

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12. A.

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;
2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or
3. Any upset which exceeds any effluent limitation in the permit.
4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;
2. The approximate amount and the characteristics of the discharge;
3. The stream(s) affected by the discharge;
4. The circumstances which created the discharge;
5. The names and telephone numbers of the persons who have knowledge of these circumstances;
6. What remedial steps are being taken; and
7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discharge and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;
2. The extent of the exceedance(s);
3. The cause of the exceedance(s);
4. The period of the exceedance(s) including exact dates and times;
5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and
6. Steps being taken to reduce, eliminate, and/or prevent occurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;
2. The cause of the violation;
3. The remedial action being taken;
4. The probable date by which compliance will occur; and
5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED**14. DUTY TO MITIGATE**

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;
2. The addition of any new significant industrial discharge; and
3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).
2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;
2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
3. Change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

21. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than \$25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.